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Accident Detection and Alert System using Arduino

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Abstract. The Accident Detection and Alert System using Arduino prevent the uncertain death after accident because this system send the message alert to the hospital or police station. The message alert include longitude, latitude (location of accident), in the form of google map link. When accident is occurred, the location details of vehicle/object collected by the GPS module from the satellite, this information is in the form of latitude and longitude scale. Thus, collected information is then fed to arduinouno. Necessary processing is done and the information is passed to the LCD and GSM modem. The GSM modem collects the information for Arduinouno and then transfer it to the mobile phone through the SMS which is in text format. The main theme of this project is an accident happens at night or in areas where no individuals are heard in that particular setting and victims are not saved at the right time. Many of them are losing their lives but This device solves the above problem by submitting data directly after an accident to the emergency team.

Keywords:: LCD , GSM , Arudino,SMS.